	Chemistry is a science that investigates matter in both living a millions of organic and inorganic compounds. There are proba apparent. A background of Chemistry is required or preferred in a wide van Medical and Allied Health fields, Forensic Science, Veterinary S The Rathkeale College Chemistry program caters for everyone way, able and acrigue acience students.	ind non-living systems. Today we can fingerprint and identify bly no aspects of our lives in which chemical principles are not riety of careers, for example Agricultural Science, Biochemistry, Science, Winemaking, and Zoology.
	A background of Chemistry is required or preferred in a wide van Medical and Allied Health fields, Forensic Science, Veterinary S The Rathkeale College Chemistry program caters for everyone	riety of careers, for example Agricultural Science, Biochemistry, Science, Winemaking, and Zoology.
	The Rathkeale College Chemistry program caters for everyone	,
	they are used both in and outside the classroom the students'	e from those who will need a background in the subject, to the principles and the development of skills to the context in which learning will be relevant and meaningful
Course	Chemistry (2.2) This standard involves analysing solutions	Chemistry (3.2) This standard involves the understanding of
Content	from a consumer product using qualitative analysis. Chemistry (2.4) This standard involves describing the bonding in simple molecules, the nature of various types of solids and	the function and how to interpret the data of three spectroscopic techniques. Chemistry (3.7) This standard involves the understanding of
	thermo-chemical principles.	oxidation and reduction chemical reactions.
	formulae and reactions of compounds containing selected organic functional groups.	describing properties of atoms, molecules, and ions, and thermo-chemical principles.
	Chemistry (2.6) This standard involves the understanding of principles of chemical reactivity by describing and using equilibrium information	Chemistry (3.5) This achievement standard involves describing the structure, physical properties, and reactions of organic compounds
	Chemistry (2.7) This standard involves demonstrating an understanding of oxidation-reduction reactions.	Chemistry (3.6) This achievement standard involves describing properties of aqueous systems using equilibrium principles.
Prerequisites	Y11 Science course with an Achieved grade in the external on Acids and Bases (AS90944)	A minimum of 14 credits, 7 of which must be from externally assessed standards, from Year 12 Chemistry. Also, all three external papers at level two must be attempted .
Assessment	Internal (6 credits) 91167 Demonstrate an understanding of oxidation and	Internal (6 Credits) 91388 Demonstrate understanding of spectroscopic data in
	91911 Carry out Qualitative analysis (3)	91393 Demonstrate understanding of oxidation-reduction processes. (3)
	External (13 credits) 91164 Describe the nature of structure, bonding and energy changes in different substances (5)	External (15 credits) 91390 Describe properties of particles and thermo-chemical
	91165 Describe the structural formulae and reactions of	principles (5)
	(4) 91166 Describe chemical reactivity and equilibrium principles (4)	91391 Describe principles of organic chemistry (5) 91392 Describe properties of aqueous systems (5)
Costs (approximate)	SciPad workbooks externals and internals \$25.00	SciPad workbook externals and internals \$25.00

Head of Subject: DR ANGELA KELLY